

MATERIAL SAFETY DATA SHEET
PENKOTE SEED

Pennington Seed, Inc. of Greenfield
Highway 160 - Greenfield Industrial Park
P.O. Box 338
Greenfield, MO 65661
417-637-5977

HAZARD RATING

HEALTH - 1 (SLIGHT)
FLAMMABLE - 1 (SLIGHT)
REACTIVITY - 0 (MINIMAL)
PERSONAL PROTECTION - B

and

Seed Production, Inc.
1280 Atlanta Highway
P.O. Box 290
Madison, GA 30650
404-342-1234
800-543-1814

and

Gustafson, Inc.
1400 Preston Road, Suite 400
Plano, Texas 75075
Emergency Phone - 214-985-8677
Chemtrec Emergency Phone - 800-424-9300
202-483-7616

PRODUCT INFORMATION
PENKOTED LAWN SEED

HAZARD INGREDIENT:

PENKOTE Seed contains APRON (Metalaxyl) (57837-19-1) at a rate of one part of technical APRON in 9072 parts of seed or as expressed on label 1/2 oz. of 28.35% active APRON on one hundred pounds of seed.

PHYSICAL PROPERTIES:

Moisture	12%
Ph	6.5
Acid	Less than .001% acetic
	Less than .001% lactic
Color	Green
Odor	Orange

HEALTH HAZARDS

There would be minimal health hazards associated with use of PENKOTED seed as the only hazardous material used in PENKOTE is APRON (Metalaxyl) described in the hazardous ingredient section above. The amount of APRON (Metalaxyl) put on seed is 1/2 ounce per 100 pounds of seed. APRON is 28.35% Metalaxyl. The amount of Metalaxyl on the seed would be one part in 9072 parts of seed. You would have to consume 9072 pounds of PENKOTE seed to consume one pound of Metalaxyl.

NORMAL HANDLING PROCEDURES

Precautions To Be Taken In Handling And Storage: Do not get into eyes, on or on clothing. Do not take internally. Avoid breathing fumes or mist. Upon contact, wash exposed areas with soap and warm water. Store in a cool, dry area away from food or feed in an area not used for pesticides. Do not store for prolonged periods at temperatures above 90°F. Protect from repeated freezing and thawing. Inert Action On Materials (Metals, Plastic, Rubber, Etc.): NE

Protective Equipment
Safety glasses
Impervious
Coveralls

VENTILATION REQUIREMENTS
Local exhaust or general ventilation required when dictated by local conditions.

SPILL OR LEAKAGE PROCEDURES (CONTROL PROCEDURES)

To Be Taken In Case Material Is Released Or Spilled: Wear appropriate safety equipment and absorb on suitable dry absorbent material. Shovel or sweep up and place into approved DOT container and dispose as necessary. Scrub contaminated area with detergent and handle as above. Environmental considerations. In case of large spills, notify emergency telephone number on front of sheet.

Disposal Method: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility in accordance with procedures under the Resource Conservation and Recovery Act (RCRA).

Reportable Quantity Under CERCLA: N/A

REACTIVITY DATA

Reactive (X)	Hazardous	May Occur	[]
Stable []	Polymerization	Will Not Occur	[X]

Conditions To Avoid: Do not store at temperatures above 90°F.
Incompatibility (Material To Avoid): Strong alkaline and oxidizing agents.
Hazardous Decomposition Products: None currently known.

Product No: 7501-42 Issue Date: 7/87
Reason For Issue: Revise Eye irritation rating.

Issued By : JCR

Not Established NA-Not applicable

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Gustafson, Inc. The data on this sheet relates only to the specific material designated herein. Gustafson, Inc. assumes no legal responsibility for use or reliance upon these data.

Information on Metalaxyl is:

Effects to Eye - Slight Irritant

Effects to Skin - Slight Irritant

Route(s) of Entry - Dermal

Effects of Acute Overexposure - Eye and Skin Irritation. Nausea, vomiting or diarrhea can occur if swallowed.

Effects of Chronic Overexposure - None currently known.

EMERGENCY FIRST AID PROCEDURES FOR METALAXYL:

Skin: Wash affected area with soap and water.

Eyes: Immediately flush eyes with plenty of water for 15 minutes. Get medical attention if irritation persists.

Ingestion: Drink plenty of water and induce vomiting. Do not induce vomiting in an unconscious person. Get medical attention.

Inhalation: Remove to fresh air and administer CPR if not breathing.

NORMAL HANDLING PROCEDURES FOR METALAXYL:

Precautions to be taken in handling and storage: Do not get into eyes, on skin, or on clothing. Do not take internally. Avoid breathing fumes or spray mist. Upon contact, wash exposed areas with soap and warm water.

PROTECTIVE EQUIPMENT:

Eyes: Safety Glasses

Gloves: Impervious

Other: Coveralls

VENTILATION REQUIREMENTS:

Local exhaust or general ventilation required when dictated by local conditions.

The suppliers of this Material Safety Data Sheet warrant the information furnished hereon to be accurate to the best of their knowledge and assume no other or further liability. They make no claim express or implied as to fitness or merchantability and in no case shall be liable for special, indirect, or consequential damages resulting in the use or handling of this product.

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**MATERIAL SAFETY DATA SHEET
PENKOTE™ SEED**

HAZARD RATING
HEALTH - 1 (SLIGHT)
FLAMMABLE - 1 (SLIGHT)
REACTIVITY - 0 (MINIMAL)
PERSONAL PROTECTION - B

Pennington Seed, Inc. of Greenfield
Highway 160 - Greenfield Industrial Park
P.O. Box 338
Greenfield, MO 65681
417-537-5977

and

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1280 Atlanta Highway
P.O. Box 290
Madison, GA 30650
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Gustafson, Inc.
1400 Preston Road, Suite 400
Plano, Texas 75075
Emergency Phone 214-985-8877
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**PRODUCT INFORMATION
PENKOTE™ LAWN SEED**

HAZARD INGREDIENT:

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pH	6.5
Acid	Less than .001% Acetic
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Odor	Orange

HEALTH HAZARDS

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Pennington Seed
P.O. Box 290 - Madison, Ga 30650
Material Safety Data Sheet

Penkote A

SECTION VI - STORAGE & DISPOSAL

Storage: Store product in its original labeled container in a cool, dry locked place out of reach of children.

Storage Temperatures: Ambient (Average Warehouse) Temperatures. Do not allow to freeze.

Shelf Life: 1-2 YEARS

Product Disposal: Do not contaminate water, food or feed by storage or disposal. Excess product may be disposed of on site or at an approved waste disposal facility or used as directed or use products instructed. If product is spilled absorb with granule sand, clay or other materials that can be sweep up and placed in labeled container for disposal.

Container Disposal: Do not re-use empty containers. Discard in trash.

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SECTION VII - TRANSPORTATION

D.O.T. Shipping Name: Penkote A

D.O.T. Hazard Class: N/A

D.O.T. Labels Required: None

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NOTICE FROM PENNINGTON SEED

The information contained herein is offered only as a guide to the handling of this specific material. Since such information does not relate to use of the material with any other material or in any process, any person using this information must determine for himself its suitability for any particular application. The buyer and user assumes all risk and liability of use, storage and/or handling of this product not in accordance with the terms of the product label.

ABBREVIATIONS KEY:

N/A = Not available or applicable

N/E = Not established

TLV=Threshold Limit Value

TWA= Time weighted Average

STEL= Short Term Exposure Limit

This form is essential similar to FORM OSHA-20.

STEPHEN,
COULD YOU PLEASE PULL THE PAPER WORK FOR THIS LOAD SO WE CAN LOOK AT IT AND GET
KIRSTEN A COPY OF WHAT SHE NEEDS?
JAMIE

-----Original Message-----

From: Kirsten Tamousian [mailto:kht@riolo.com]

Sent: Tuesday, April 12, 2005 1:20 PM

To: Jamie Knowles

Subject: I was wondering, if you...

Could help me with a little problem I have.

We delivered a load in to your place on Monday April 4 and when I received the paperwork from my
driver I noticed, it did not have a receiver signature on the bills.

Could you pull a copy of your bill of lading and fax me a copy? It came in on a Walter truck on bill of
lading #2-004201 out of Seeds West, Roll, AZ.

Thank you for any help you can give me
Kirsten

Kirsten Tamousian

Riolo Transportation, Inc

P.O. Box 871

Visalia, CA 93291

Phone# 800-822-4911 or 559-651-1258

Fax 413-521-4897

4/18/2005

E-2) BUSY
E-4) NO FACSIMILE CONNECTION

REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-3) NO ANSWER

FILE MODE	OPTION	ADDRESS (GROUP)	RESULT	PAGE
8736 MEMORY TX		141352144897-8232	OK	2/2